

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/005284

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl' F02D21/08, F01N3/20, F02B37/00, F02D9/04, 23/00, 43/00, F02M25/07

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl' F02D21/08, F01N3/20, F02B37/00, F02D9/04, 23/00, 43/00, F02M25/07

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 50-13718 A (Dr. Ing. h.c.f. Porsche Aktiengesellschaft), 13 February, 1975 (13.02.75), Full text; Fig. 1 & US 3943710 A & GB 1457570 A & DE 2322057 A & FR 2228150 A	1-5, 7-9 6, 10
Y A	JP 08-246889 A (Mitsubishi Motors Corp.), 24 September, 1996 (24.09.96), Par. Nos. [0008] to [0009]; Fig. 1 (Family: none)	1-5, 7-9 6, 10
Y A	JP 10-61503 A (Hino Motors, Ltd.), 03 March, 1998 (03.03.98), Par. Nos. [0019] to [0024]; Fig. 1 (Family: none)	1-5, 7-9 6, 10

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

14 June, 2005 (14.06.05)

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05 July, 2005 (05.07.05)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 09-96213 A (Toyota Motor Corp.), 08 April, 1997 (08.04.97), Par. No. [0011]; Fig. 3 (Family: none)	3 1-2, 4-10
A	JP 2003-97254 A (Toyota Motor Corp.), 03 April, 2003 (03.04.03), Par. Nos. [0096], [0106] (Family: none)	1-10
A	JP 04-237814 A (Toyota Motor Corp.), 26 August, 1992 (26.08.92), Claim 1; Par. No. [0032]; Fig. 1 (Family: none)	1-10